

Summary

Results-oriented Software Engineer with 4 years experience in analysis, design, development, testing, and implementation of various internet-based applications. Proficient in a variety of platforms, languages and embedded systems. Skilled at team collaboration while working independently in a remote environment. Very comfortable in virtualized and Linux environments.

Education & Credentials

- **M.S. in Computer Science** (GPA 3.50/4.00) --- Georgia Institute of Technology *Atlanta, GA* (2016 -- 2017)
- **B.S. in Finance** (GPA 3.30/4.00) --- University of Central Florida *Orlando, FL* (2006 -- 2010)

Skills

Proficient: Python, Javascript, Java, C, HTML/CSS, Bash, Linux/Unix, Wordpress

Familiar: Ruby, SQL, C++, Datalog, PHP, Rails

Tools: Vim, Git, Nginx, Kali, Metasploit, Zmap, JADX, Apktool, Snort, Mininet, Pyretic, BotHunter/BotMiner, Wireshark

Experience

Pacific Home | Contract Developer - Remote *Honolulu, HI* (January 2019 -- July 2019)

High-end furniture boutique

- Developed automated inventory pricing and availability software in Python to link inventory management application, e-commerce storefront and supplier websites
- Reduced human associated costs and errors and increased the frequency of updates, saving company \$30k / year

Essence Laser | Contract Developer - Remote *Denver, CO* (July 2018 -- September 2018)

Medical Laser and Wellness Center

- Built a new Wordpress website showcasing company services and streamlining scheduling process
- Produced training materials for current and incoming employees to utilize new website and backend as backoffice scheduling, communication and marketing tool.

HIPSKIP | Contract Developer - Remote *Ontario, Canada* (March 2018 -- February 2019)

Project Managers

- Implemented justified media and video gallery using jQuery and Javascript relying on Vimeo and YouTube APIs. (<https://www.arbormemorial.ca/en/obituaries>)
- Specialized in Wordpress & Wordpress multisite migrations, updates and improvements with unique requirements or difficult to solve issues.

Lake County Bar | Contract Developer - Remote *Tavares, FL* (August 2017 -- January 2018)

Lake Country Bar Association

- Assumed responsibility of malfunctioning Rails website hosted on Heroku responsible for organizing the County 200+ lawyers
- Fixed bugs & inefficiencies that resulted in unexpected behavior and request timeouts
- Gathered requirements from users and owners and re-designed app to incorporate calendar and event registration system

West Coast Mobile Eye Care | Developer - Remote (April 2015 -- Present)

Mobile optometric health company providing eye care services to patients in nursing home facilities

- Collaborated with field technicians and doctors to assess needs for a remotely accessible, distributed platform to share information
- Built automatic patient scheduling system using Google Apps Script to eliminate revenue loss of over \$50,000 per year
- Wrote application which saved 10 hours per week in manual charting time
- Led company wide EMR implementation. Facilitated training for employee's efficient use of software
- Installed and maintained organization's 30+ remote devices and in-house server infrastructure, and provided remote assistance to employees

Projects

- Regular contributions to the Home Assistant open source project with 100k+ active worldwide users and 100+ developers
- Developed application using AI techniques to identify and infer meaning in Raven's Progressive Matrices
- Used Machine Learning frequency analysis and replacement to circumvent firewall and deliver malicious payloads in a test environment
- Wrote a machine learning based stock trading algorithm that implemented Q-Learning on three indicators